



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

E.S. Windows, LLC
10653 NE Quaybridge Ct.
Miami, FL 33138

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "3000" Aluminum Outswing French Doors w/ wo Sidelites – L.M.I.

APPROVAL DOCUMENT: Drawing No. W04-51, titled "Series-3000 Alum. Outswing French Doors (L.M.I.)", sheets 01, 02, 2.1, 2.2 through 06 & 6.1 of 10, dated 06/10/04 with revision "G" dated 02/24/12, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P. E., bearing the Miami-Dade County Product Control Section Renewal stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LIMITATIONS: 1. See sheet 2.1 for single sidelite and sheet 2.2 for doors with sidelites options;
2. Lower Design Pressures of Doors, sidelites, hardware, glass and threshold options shall control.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, Barranquilla, Columbia, series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

REVISION of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/ or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews NOA No. 12-0308.40 and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by Jaime D. Gascon, P. E.



J. Gascon
9/17/14

NOA No. 14-0722.13
Expiration Date: September 16, 2019
Approval Date: September 25, 2014
Page 1

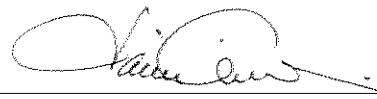
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under previous NOA No. 12-0308.40)
2. Drawing No. **W04-51**, titled "Series-3000 Alum. Outswing French Doors (L.M.I.)", sheets 01, 02, 2.1, 2.2 through 06 & 6.1 of 10, dated 06/10/04 with revision "G" dated 02/24/12, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P. E.
(Submitted under previous NOA No. 12-0308.40)

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94.
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
along with marked-up drawings and installation diagram of aluminum outswing French door w/ Sidelites, prepared by Fenestration Testing Laboratory, Inc., No. **FTL-5938R**, dated 03/29/10, revised, reviewed, signed and sealed by Jorge A. Causo, P. E.
(Submitted under previous NOA No. 09-1217.03)
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94.
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
along with marked-up drawings and installation diagram of aluminum outswing French door w/ Sidelites, prepared by Fenestration Testing Laboratory, Inc., No. **FTL-5938**, dated 10/01/09, signed and sealed by Julio E. Gonzales, P. E.
(Submitted under previous NOA No. 09-0825.04)
3. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of aluminum outswing French door w/ Sidelites, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5164**, dated 08/01/07, signed and sealed by Carlos S. Roinda, P. E.
(Submitted under previous NOA No. 07-0828.09)



Jaime D. Gascon, P. E.

Product Control Section Supervisor

NOA No. 14-0722.13

Expiration Date: September 16, 2019

Approval Date: September 25, 2014

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (CONTINUED)

4. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
along with marked-up drawings and installation diagram of aluminum outswing French door w/ Sidelites, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.'s FTL-3947 and FTL-3955, both dated 02/04/04, signed and sealed by Edmundo J. Largaespada, P. E.
(Submitted under previous NOA No. 04-0712.02)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC-2010**, prepared by Al-Farooq Corporation, dated 03/01/12, signed and sealed by Javad Ahmad, P. E.
(Submitted under previous NOA No. 12-0308.40)
2. Anchor verification calculations and structural analysis, complying with **FBC-2007**, prepared by Al-Farooq Corporation, dated 12/08/09 signed and sealed by Arshad Viqar, P. E.
(Submitted under previous NOA No. 09-1217.03)
3. Glazing complies with ASTM E1300-04

D. QUALITY ASSURANCE

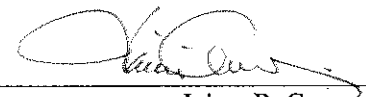
1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 13-0129.27 issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite® PVB Interlayer**" dated 04/11/13, expiring on 12/11/16.
2. Notice of Acceptance No. 11-0624.02 issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.

F. STATEMENTS

1. Department of State Certification of **E.S. WINDOWS, LLC** as a limited liability company, active and organized under the laws of the State of Florida, dated 03/03/14 and signed by Kurt S. Browning, Secretary of State.
2. Statement letter of no financial interest, conformance to and complying with **FBC-2010**, issued by Al-Farooq Corporation, dated 02/24/12, signed and sealed by Javad Ahmad, P. E.
(Submitted under previous NOA No. 12-0308.40)



Jaime D. Gascon, P. E.

Product Control Section Supervisor

NOA No. 14-0722.13

Expiration Date: September 16, 2019

Approval Date: September 25, 2014

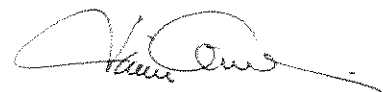
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS (CONTINUED)

3. Distributor Agreement between Energia Solar, S.A., Barranquilla, Columbia and E.S. Windows, LLC, Florida USA, dated 10/20/10, signed by Ms. Carla G. Torrente and Andres Chamorro, respectively.
(Submitted under previous NOA No. 12-0308.40)
4. Laboratory compliance letter for Test Report No. FTL-5938R, issued by Fenestration Testing Laboratory, Inc., dated 03/29/10, revised, reviewed, signed and sealed by Jorge A. Causo, P. E.
(Submitted under previous NOA No. 09-1217.03)
5. Proposal No. 09-0225, issued by the Product Control, dated 06/17/09, signed by Ishaq Chanda, P. E.
(Submitted under previous NOA No. 09-1217.03)
6. Laboratory compliance letter for Test Report No. FTL-5938, issued by Fenestration Testing Laboratory, Inc., dated 10/01/09, signed and sealed by Julio E. Gonzales, P. E.
(Submitted under previous NOA No. 09-0825.04)
7. Proposal No. 06-0411R, issued by the Product Control, dated 07/31/07, revised and signed by Ishaq Chanda, P. E.
(Submitted under previous NOA No. 09-0825.04)
8. Laboratory compliance letter for Test Report No. FTL-5164, issued by Fenestration Testing Laboratory, Inc., dated 08/01/07, signed and sealed by Carlos S. Roinda, P. E.
(Submitted under previous NOA No. 07-0828.09)
9. Proposal No. 06-0411, issued by the Product Control, dated 02/06/06, signed by Ishaq Chanda, P. E.
(Submitted under previous NOA No. 07-0828.09)
10. Laboratory compliance letter for Test Reports No.'s FTL-3947 and FTL-3955, issued by Fenestration Testing Laboratory, Inc., both dated 02/04/04, signed and sealed by Edmundo J. Largaespada, P. E.
(Submitted under previous NOA No. 04-0712.02)

G. OTHERS

1. Notice of Acceptance No. 12-0308.40, issued to ES Windows, LLC for their Series "3000 Aluminum Outswing French Doors w/ wo Sidelites - L.M.I.", approved on 05/24/12 and expiring on 09/16/14.



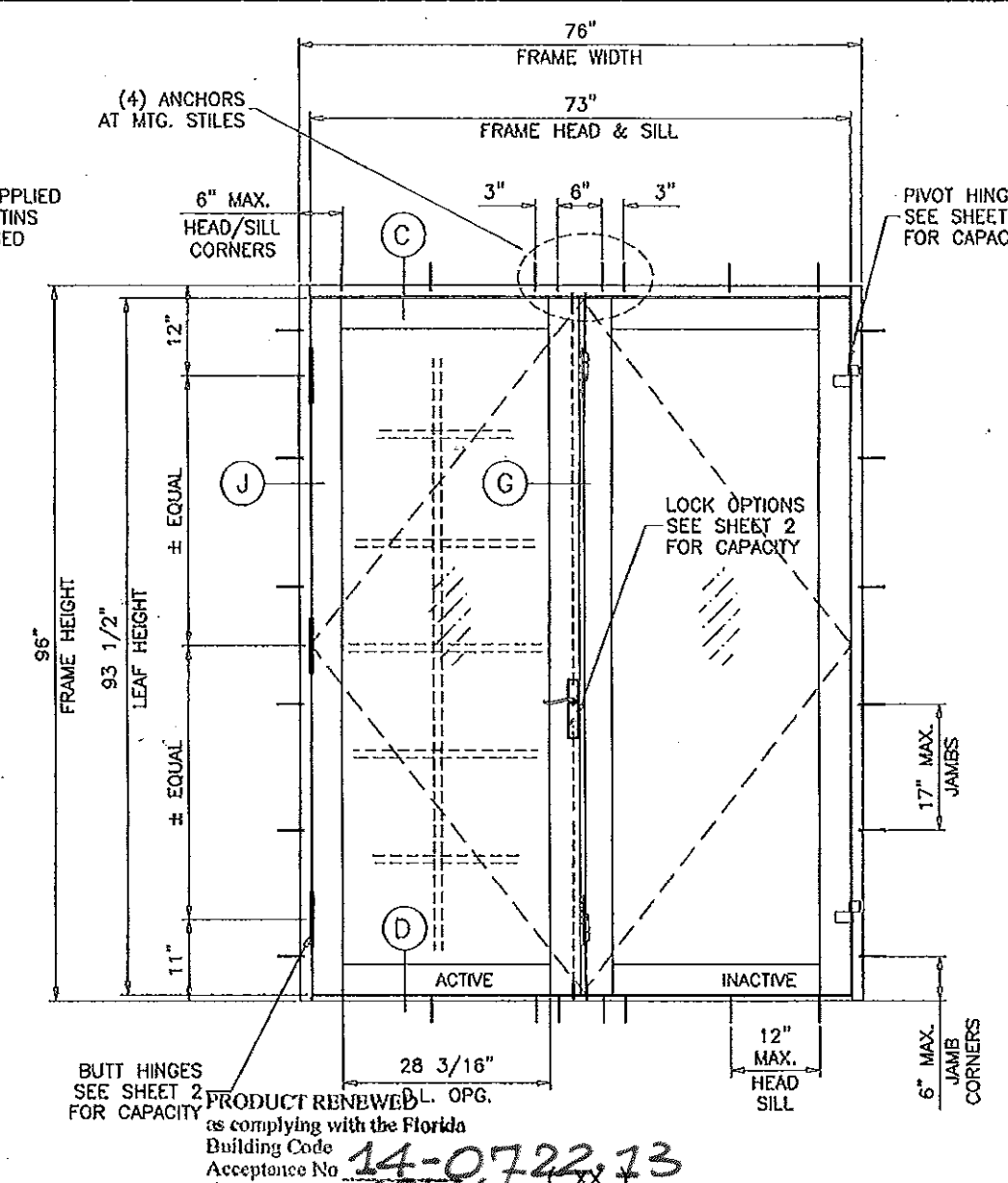
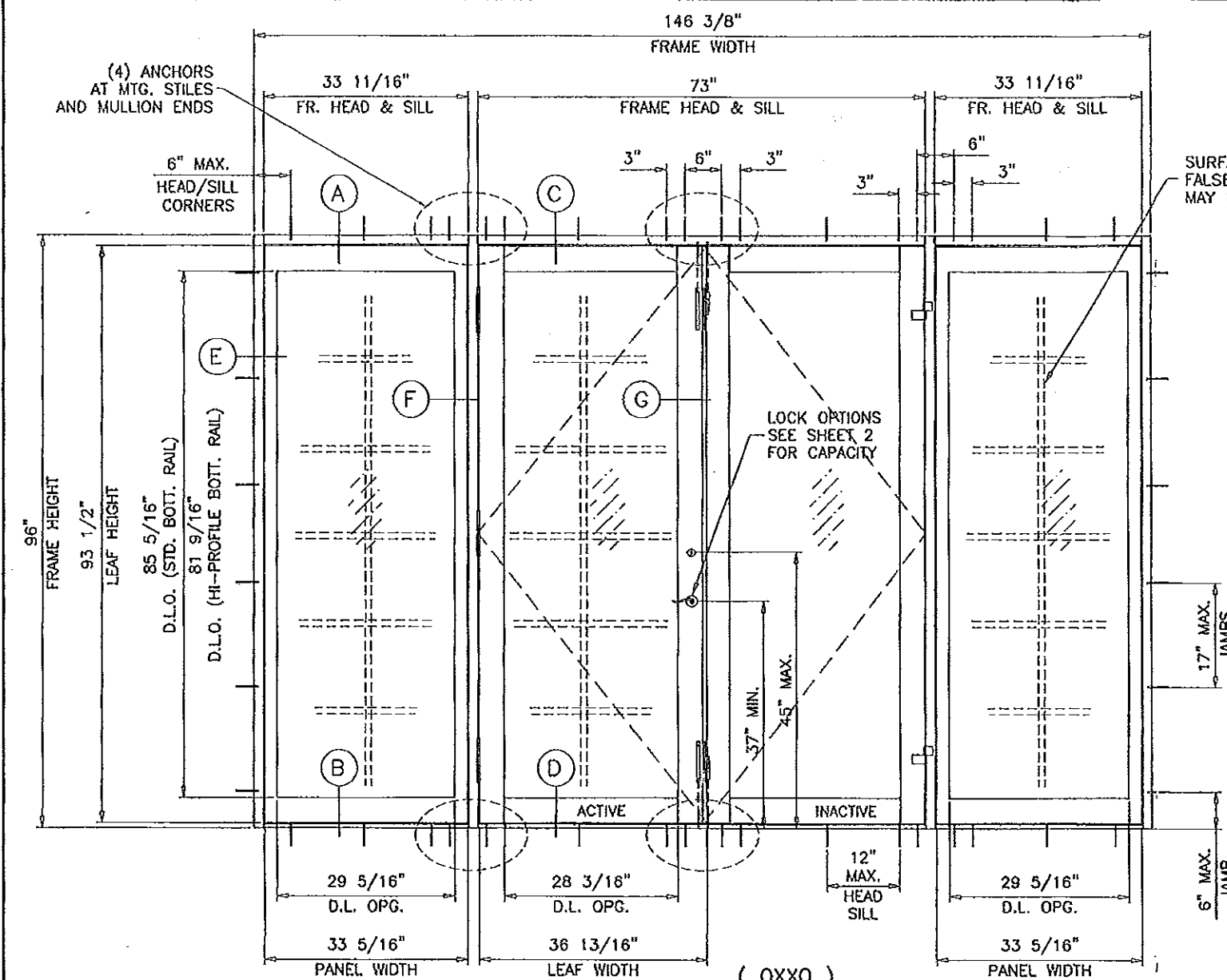
Jaime D. Gascon, P. E.

Product Control Section Supervisor

NOA No. 14-0722.13

Expiration Date: September 16, 2019

Approval Date: September 25, 2014



TYPICAL ELEVATIONS
TESTED UNITS

SERIES-3000 ALUM OUTSWING FRENCH DOOR

APPROVAL APPLIES TO SINGLE (X) AND DOUBLE (XX) LEAF DOORS WITH OR WITHOUT SIDELITES.
SIDE LITES CAN BE ON ONE OR BOTH SIDES OF DOOR.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BLDG. CODE SECTION 2003.8.4.

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2** FOR SINGLE (X) AND DOUBLE (XX) DOOR CAPACITIES SEE SHEET 2.
USE LOWER VALUES FROM GLASS, HINGES, LOCK AND FRAME SILL OPTIONS USED.
- STEP 3** FOR SIDELITE PANEL (O) CAPACITY SEE SHEET 2.1.
- STEP 4** FOR SIDELITE COMBINATION WITH DOOR OR SIDELITE SEE MULLION CAPACITY CHART ON SHEET 2.2.
- STEP 5** THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.

PRODUCT REVIEWED
as complying with the Florida Building Code
Acceptance No. 12-0306-40
Expiration Date SEP 16, 2014
By: [Signature]
Miami Dade Product Control

NOTE:
FLUSH BOLTS ARE CONCEALED ON INACTIVE LEAF AND EXPOSED ON ACTIVE LEAF
SEE DETAIL G ON SHEET 5.

THESE PRODUCTS ARE RATED FOR LARGE & SMALL MISSILE IMPACT.
SHUTTERS ARE NOT REQUIRED.

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
[Signature]
MAY 24 2012

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978
COMP - ANL W04-51 ESW

afC

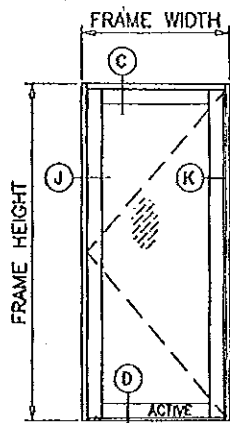
SERIES-3000 ALUM OUTSWING FRENCH DOOR (L.M.I.)

E.S. WINDOWS, LLC
5220 N.W. 72 AVE. BAY #4
MIAMI, FL 33166
TEL (305) 624-7775 FAX (305) 624-7777

NO	DATE	BY	DESCRIPTION
D	08.14.09		UPDATED FOR 2007 FBC
E	11.23.09		GENERAL REV.
F	03.12.10		REV. PER BCCO COMMENTS
G	02.24.12		UPDATED TO 2010 FBC

date: 06-10-04
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

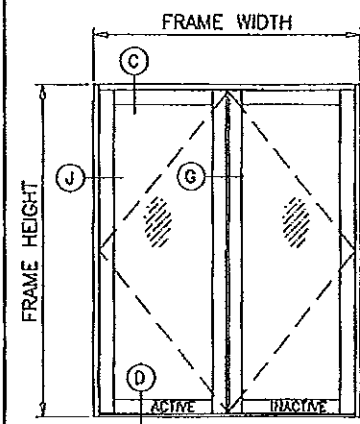
drawing no.
W04-51
sheet 1 of 7



'X' DOORS

DESIGN LOAD CAPACITY - PSF (GLASS AND HARDWARE OPTIONS)															
FRAME HEIGHT INCHES	FRAME WIDTH INCHES	GLASS TYPES						HINGES				LOCKS			
		'A', 'B' & 'D'		'C' & 'E'		'F'		OPTION '1'		OPTION '2'		OPTION '1'		OPTION '2'	
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
95-3/4	37-1/2	70.0	80.0	90.0	90.0	100.0	120.0	90.0	90.0	100.0	120.0	70.0	80.0	100.0	120.0
	39-5/8	-	-	90.0	90.0	100.0	120.0	90.0	90.0	100.0	120.0	70.0	80.0	100.0	120.0

NOTE:
LOWEST VALUE SELECTED FROM OPTION WILL APPLY.



'XX' DOORS

DESIGN LOAD CAPACITY - PSF (GLASS AND HARDWARE OPTIONS)															
FRAME HEIGHT INCHES	FRAME WIDTH INCHES	GLASS TYPES						HINGES				LOCKS			
		'A', 'B' & 'D'		'C' & 'E'		'F'		OPTION '1'		OPTION '2'		OPTION '1'		OPTION '2'	
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
95-3/4	71-3/4	70.0	80.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	70.0	80.0	90.0	90.0
	76	-	-	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	70.0	80.0	90.0	90.0

HINGES:

OPTION #1:

THREE PIECE ALUM BUTT HINGE BY 'E.S. WINDOWS'
(3) HINGES PER LEAF AT 11" FROM TOP & BOTTOM
AND AT MIDSPAN
FASTENED TO DOOR FRAME AND LEAF WITH
#10 X 1" FH SMS
(6) SCREWS AT FRAME, (5) SCREWS AT LEAF

OPTION #2:

FACE MOUNT 2 WING PIVOT HINGE BY 'MASTER ACCESSORIES'
WITH EXTRUDED ALUMINUM BASE, DIE CAST ALUMINUM
COVER PLATES, ST. STEEL PIVOTS AND GALV. STEEL
BRUSHES AND SCREWS
(2) HINGES PER LEAF AT 12" FROM TOP & BOTTOM
FASTENED TO DOOR FRAME AND LEAF WITH
5/16-24 X 1" FH MS (2) PER WING

LOCKING HARDWARE:

ACTIVE LEAF:

OPTION #1:

SURFACE MOUNT DEAD BOLT LOCK BY 'YALE'
AT 45" FROM BOTTOM, KEY OPERATED ON
EXTERIOR AND THUMB TURN ON INTERIOR
FASTENED TO ACTIVE LEAF LOCK STILE WITH
(2) 1/4-28 X 2-1/2" OH MS
LEVER TYPE METALLIC HANDLE AT 37" FROM
BOTTOM, FASTENED TO ACTIVE LEAF LOCK STILE
WITH (2) #8-32 X 1-3/4" PH MS.

CONCEALED FLUSH BOLTS BY 'SULLIVAN & ASSOC.'
MANUALLY OPERATED LEVERS MOUNTED ON STILE
FACE, LOCATED AT 12" FROM TOP AND BOTTOM
FASTENED TO LOCK STILE WITH
#8 X 3/4" FH SMS (2) SCREWS PER BOLT

OPTION #2:

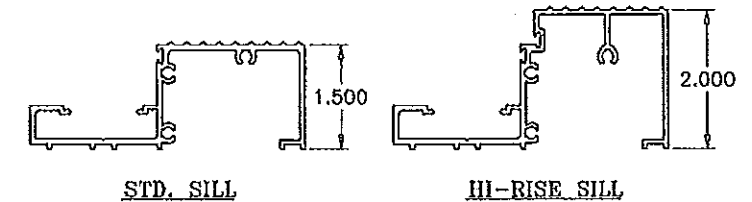
3 POINT LOCK SYSTEM BY 'INTERLOCK' AT 39"
FROM BOTTOM
HANDLE ACTIVATES DEAD BOLT AND SHOOT BOLTS
ENGAGING AT HEAD AND SILL
KEY OPERATED ON EXTERIOR AND THUMB TURN ON
INTERIOR
FASTENED TO ACTIVE LEAF LOCK STILE WITH
(2) #8-32 X 2" OH MS

INACTIVE LEAF

CONCEALED FLUSH BOLTS BY 'SULLIVAN & ASSOC.'
MANUALLY OPERATED LEVERS MOUNTED ON
INSIDE FACE OF LEAF STILE LOCATED AT
12" FROM TOP AND BOTTOM
FASTENED TO LOCK STILE WITH
#8 X 3/4" FH SMS (2) PER BOLT

WATER INFILTRATION LIMITATIONS:

WHERE WATER INFILTRATION RESISTANCE IS REQUIRED
LIMIT EXTERIOR LOADS FOR ALL CASES AS FOLLOWS
STD. SILL = +70.0 PSF (X & XX DOORS)
HI-RISE SILL = +90.0 PSF (XX DOORS)
+120.0 PSF (X DOORS)



STD. SILL
HI-RISE SILL

D.L. OPENINGS:

D.L.O. HEIGHT = LEAF HEIGHT - 8.1875" (STD. BOT. RAIL)
D.L.O. HEIGHT = LEAF HEIGHT - 11.9375" (HI RISE BOT. RAIL)
D.L.O. WIDTH = LEAF WIDTH - 8.625"

WIDTHS:

NOMINAL WIDTH	FRAME WIDTH	LEAF WIDTH	DAYLITE OPG.
2/6 (X)	31-1/2"	28-11/16"	20-1/16"
3/0 (X)	37-1/2"	34-11/16"	26-1/16"
3/4 (X)	39-5/8"	36-13/16"	28-3/16"
5/0 (XX)	59-3/4"	28-11/16"	20-1/16"
6/0 (XX)	71-3/4"	34-11/16"	26-1/16"
6/4 (XX)	76"	36-13/16"	28-3/16"

NOTE:
DOOR WIDTH AND HEIGHT MUST
COMPLY WITH EGRESS REQUIREMENTS
PER FBC WHERE REQUIRED.

HEIGHTS:

NOMINAL HEIGHT	FRAME HEIGHT	LEAF HEIGHT	DAYLITE OPG.	
			STANDARD BOTTOM RAIL	HI-PROFILE BOTTOM RAIL
6/8	79-3/4"	77-1/4"	69-1/16"	65-5/16"
8/0	95-3/4"	93-1/4"	85-1/16"	81-5/16"

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-04 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

PRODUCT RENEWED
as complying with the Florida
Building Code

Acceptance No 14-0722.13
Expiration Date 09/16/2019

By [Signature]
Miami Dade Product Control

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

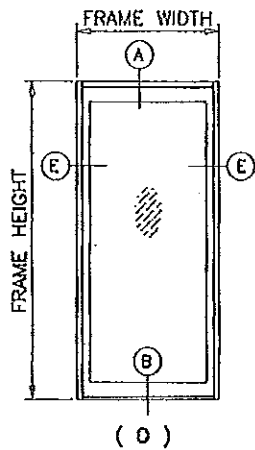
MAV 17 2012

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978
COMP-ANL W04-51ESW

SERIES-3000 ALUM OUTSWING FRENCH DOOR (L.M.I.)
E.S. WINDOWS, LLC
5220 N.W. 72 AVE. BAY #4
MIAMI, FL. 33166
TEL (305) 624-7775 FAX (305) 624-7777

NO	DATE	BY	DESCRIPTION
D	08.14.09		UPDATED FOR 2007 FBC
E	11.23.09		GENERAL REV.
F	03.12.10		REV. PER BCCO COMMENTS
G	02.24.12		NO CHANGE THIS SHEET

date: 06-10-04
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:
drawing no.
W04-51
sheet 2 of 7

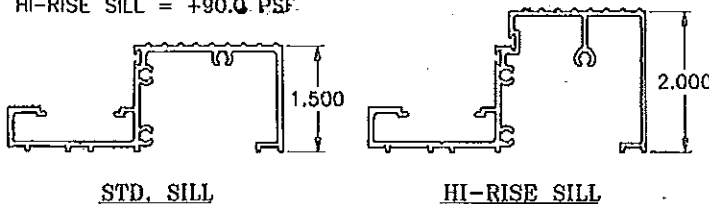


STATIONARY PANEL (O) OR SIDELITES

FRAME HEIGHT FT./IN.		DESIGN LOAD CAPACITY - PSF					
		GLASS TYPES					
		'A', 'B', 'D'		'C', 'E'		'F'	
	FRAME WIDTH INCHES	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
6/8	42	70.0	80.0	90.0	90.0	90.0	90.0
7/0	39	70.0	80.0	90.0	90.0	90.0	90.0
8/0	36	70.0	80.0	87.6	87.6	90.0	90.0

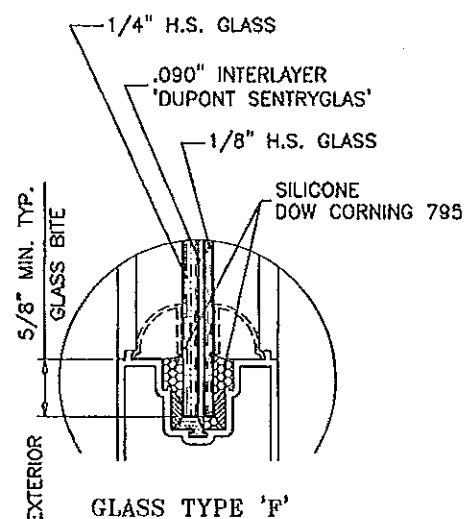
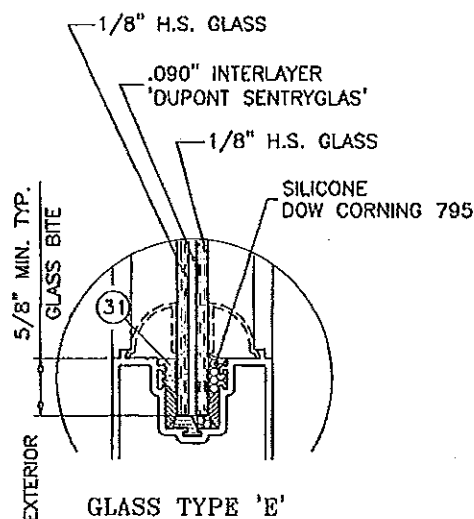
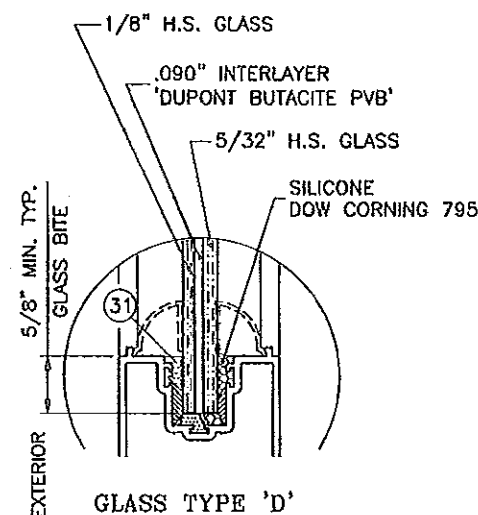
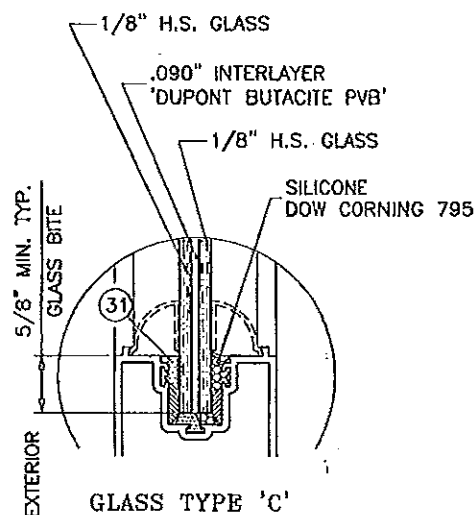
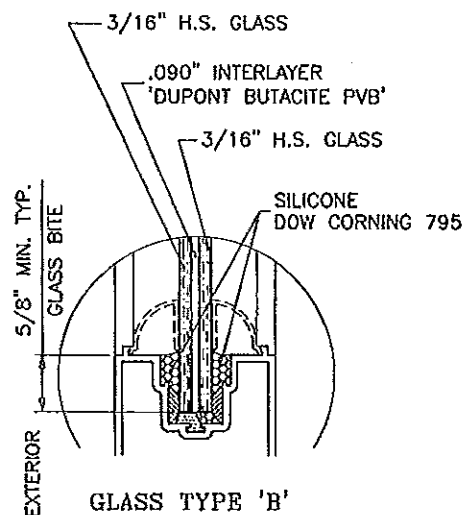
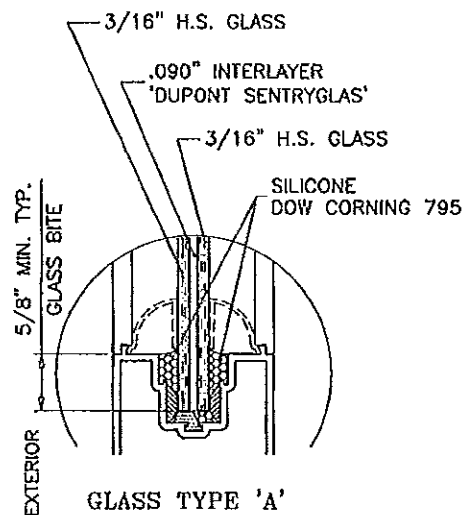
WATER INFILTRATION LIMITATIONS:

WHERE WATER INFILTRATION RESISTANCE IS REQUIRED
LIMIT EXTERIOR LOADS FOR ALL CASES AS FOLLOWS
STD. SILL = +70.0 PSF
HI-RISE SILL = +90.0 PSF



D.L. OPENINGS:

D.L.O. HEIGHT = LEAF HEIGHT - 8.1875" (STD. BOT. RAIL)
D.L.O. HEIGHT = LEAF HEIGHT - 11.9375" (HI RISE BOT. RAIL)
D.L.O. WIDTH = PANEL WIDTH - 4.000"



GLAZING OPTIONS

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 14-0722.13
Expiration Date 09/16/2019
By [Signature]
Miami Dade Product Control

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-04 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

MAY 24 2012

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0308.40
Expiration Date 9/16/19
By [Signature]
Miami Dade Product Control

SERIES-3000 ALUM. OUTSWING FRENCH DOOR (L.M.I.)
E.S. WINDOWS, LLC
5220 N.W. 72 AVE. BAY #4
MIAMI, FL. 33166
TEL. (305) 624-7775 FAX. (305) 624-7777

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-8978
COMP-ANL\W04-51ESW

no.	date	by	description
D	08.14.09		UPDATED FOR 2007 FBC
E	11.23.09		GENERAL REV.
F	03.12.10		REV. PER BCCO COMMENTS
G	02.24.12		UPDATED TO 2010 FBC

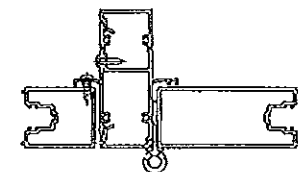
date: 06-10-04
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W04-51

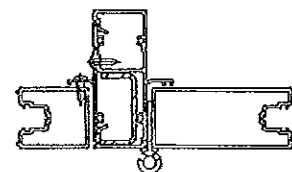
sheet 2.1 of 7

MULLION

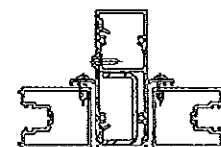
DESIGN LOAD CAPACITY - PSF				
SIDELITE WIDTH INCHES	FRAME HEIGHT FT./IN.	DOOR TO SIDELITE MULLION		SIDELITE TO SIDELITE MULL
		UNREINFORCED EXT.(+)/INT.(-)	REINFORCED EXT.(+)/INT.(-)	REINFORCED EXT.(+)/INT.(-)
24	6/8	80.0	80.0	90.0
27		80.0	80.0	90.0
30		80.0	80.0	90.0
33		80.0	80.0	90.0
36		80.0	80.0	90.0
39		80.0	80.0	90.0
42		80.0	80.0	90.0
24	7/0	80.0	80.0	90.0
27		80.0	80.0	90.0
30		80.0	80.0	90.0
33		80.0	80.0	90.0
36		80.0	80.0	90.0
39		80.0	80.0	90.0
18	8/0	78.9	80.0	90.0
21		74.8	80.0	90.0
24		71.1	80.0	90.0
27		67.9	80.0	90.0
30		65.0	80.0	90.0
33		62.4	78.9	90.0
36		60.1	76.0	90.0



UNREINFORCED



REINFORCED

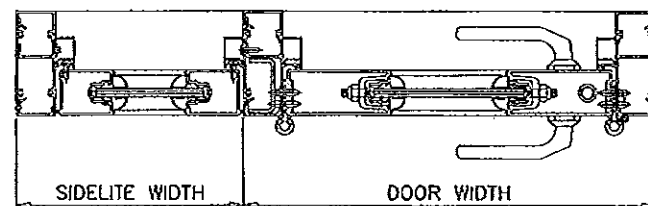


REINFORCED

DOOR TO SIDELITE MULLION

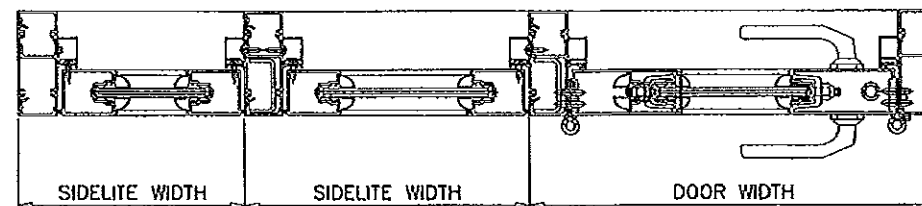
SIDELITE TO SIDELITE MULLION

NOTE:
FOR DOORS CAPACITY SEE SHEET 2
FOR SIDELITE CAPACITIES SEE SHEET 2.1.
FOR SIDELITE MULLION CAPACITY SEE CHART ABOVE
LOWER VALUES FROM DOORS, SIDELITE OR MULLION
CHART WILL APPLY TO ENTIRE SYSTEM.



SIDELITE WIDTH

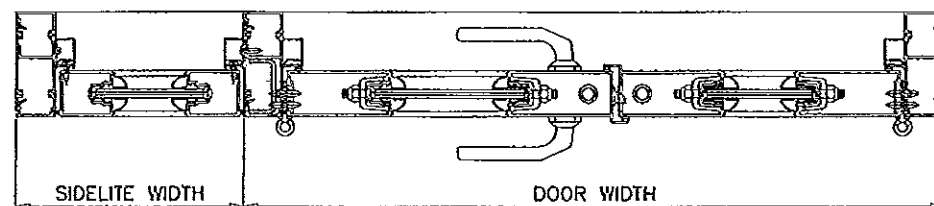
DOOR WIDTH



SIDELITE WIDTH

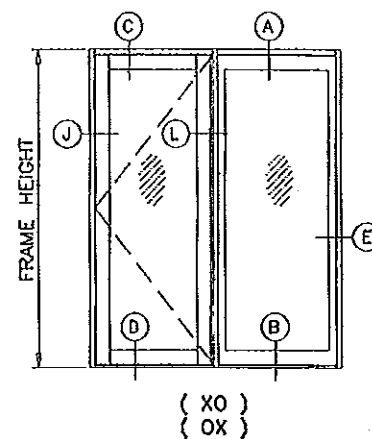
SIDELITE WIDTH

DOOR WIDTH

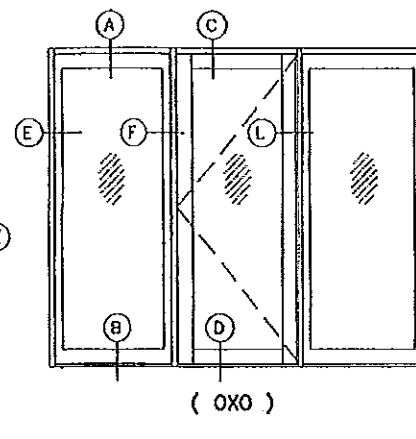


SIDELITE WIDTH

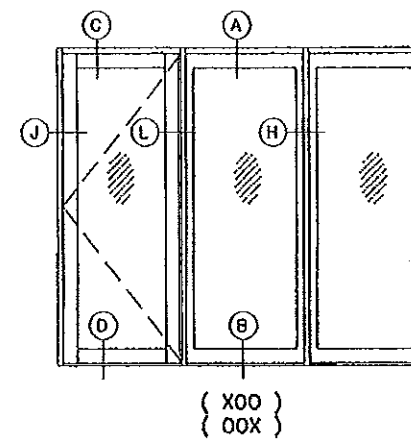
DOOR WIDTH



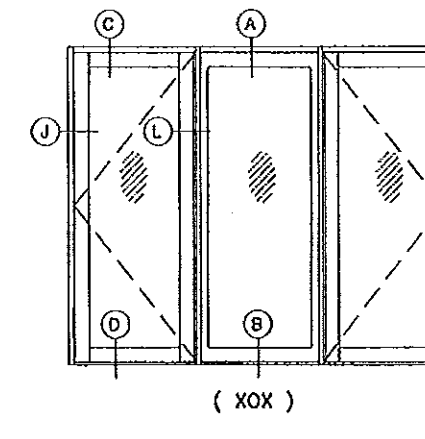
(XO)
(OX)



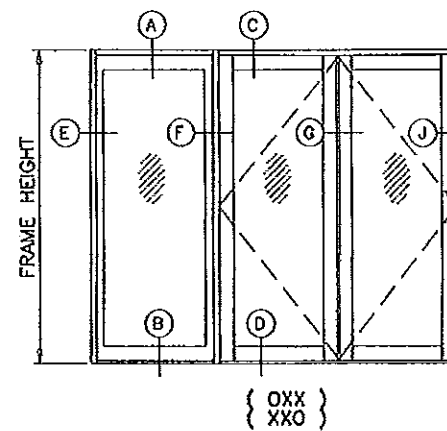
(OXO)



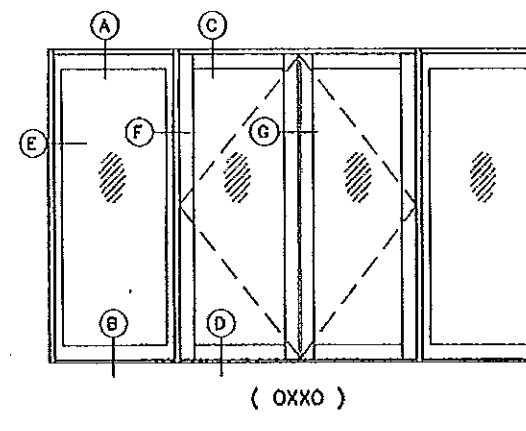
(XOO)
(OOX)



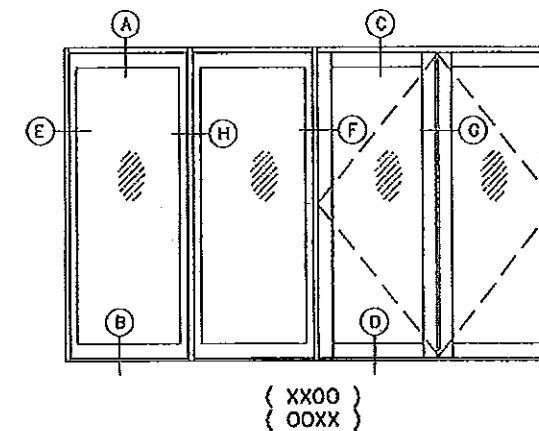
(XOX)



(OXX)
(XXO)



(OXXO)



(XXOO)
(OOXX)

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-030890
Expiration Date 9/16/14
By: J. J. J. J.
Miami Dade Product Control

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 14-072213
Expiration Date 09/16/2019
By: J. J. J. J.
Miami Dade Product Control

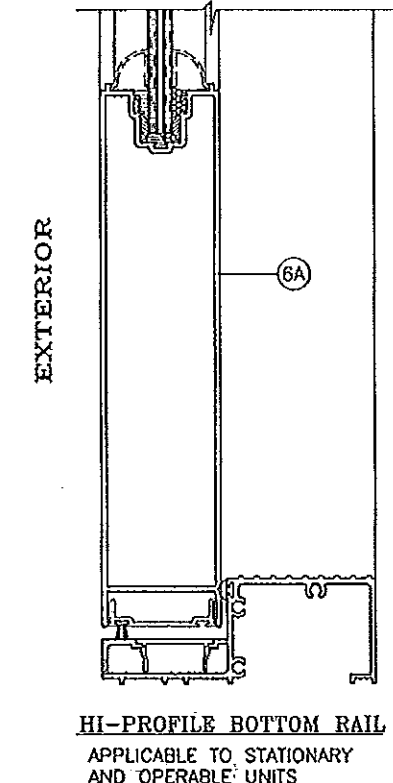
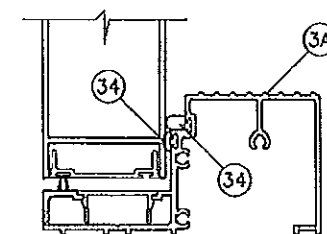
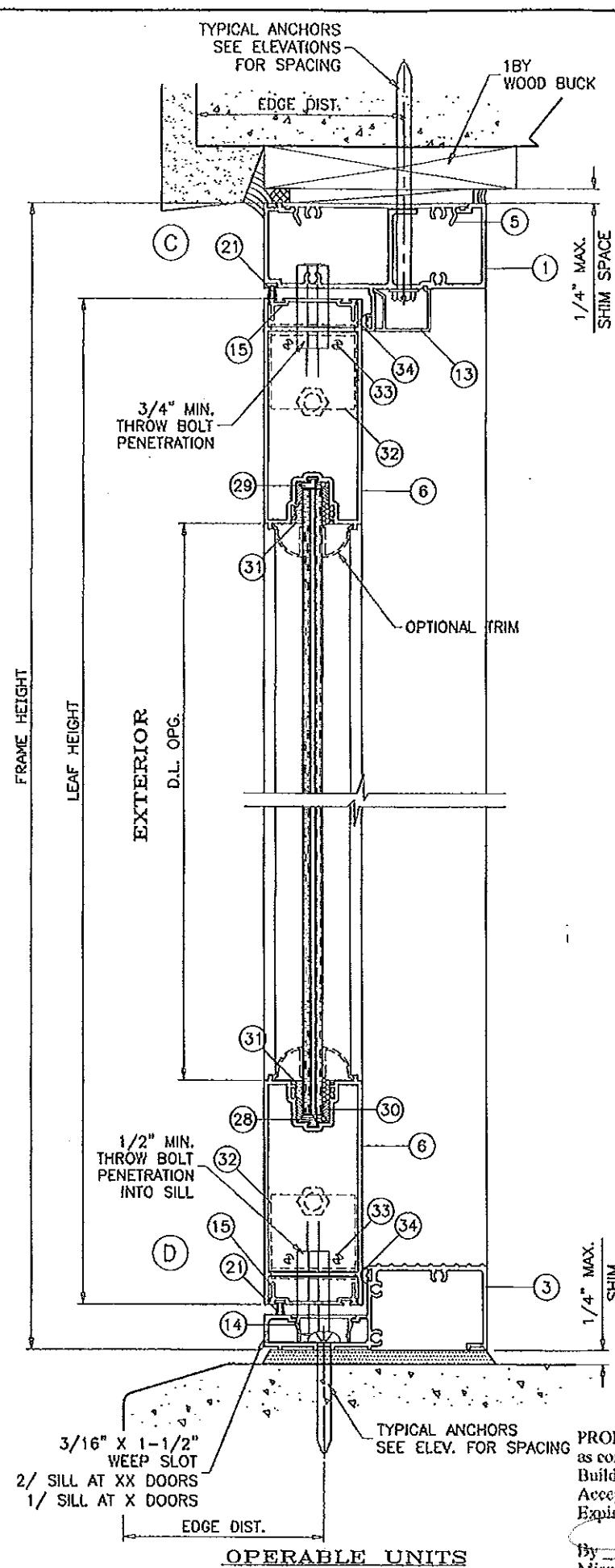
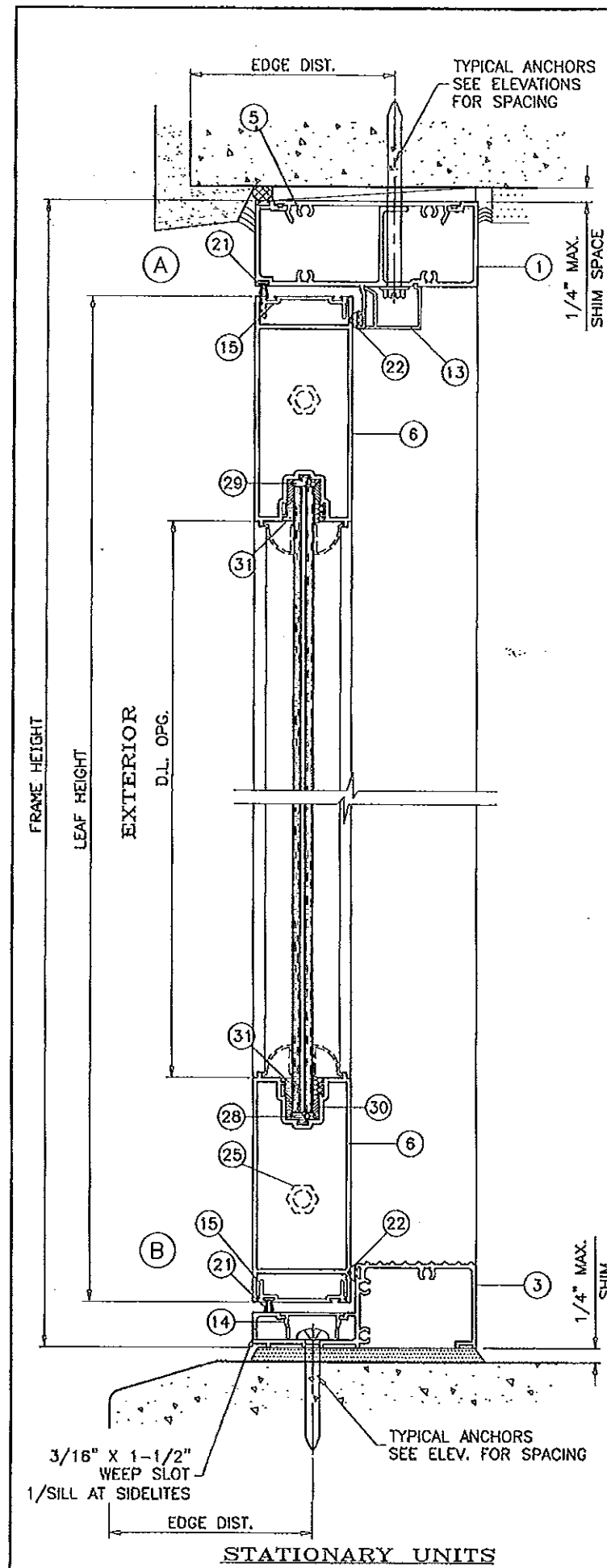
Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
MAY 17 2012

SERIES-3000 ALUM. OUTSWING FRENCH DOOR (L.M.I.)
E.S. WINDOWS, LLC
5220 N.W. 72 AVE. BAY #4
MIAMI, FL. 33166
TEL. (305) 624-7775 FAX. (305) 624-7777

NO.	DATE	BY	DESCRIPTION
D	08.14.09		UPDATED FOR 2007 FBC
E	11.23.09		GENERAL REV.
F	03.12.10		REV. PER BCCO COMMENTS
G	02.24.12		NO CHANGE THIS SHEET

date: 06-10-04
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:
drawing no.
W04-51
sheet 2.2 of 7

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-5100 FAX. (305) 262-6878
COMP-ANIL W04-51ESW



Engr: JAVAD AHMAD.
CIVIL
FLA. PE # 70592
C.A.N. 3538

MAY 24 2012

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 14-0722.13
Expiration Date 09/16/2019

By *[Signature]*
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0308.40
Expiration Date 9/16/14

By *[Signature]*
Miami Dade Product Control

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978
COMP-ANL\W04-51ESW

SERIES-3000 ALUM OUTSWING FRENCH DOOR (L.M.I.)

E.S. WINDOWS, LLC
5220 N.W. 72 AVE. BAY #4
MIAMI, FL 33166
TEL (305) 624-7775 FAX (305) 624-7777

revisions:	no	date	by	description
	D	08.14.09		NO CHANGE THIS SHEET
	E	11.23.09		GENERAL REV.
	F	03.12.10		REV. PER BCCO COMMENTS
	G	02.24.12		NO CHANGE THIS SHEET

date: 06-10-04

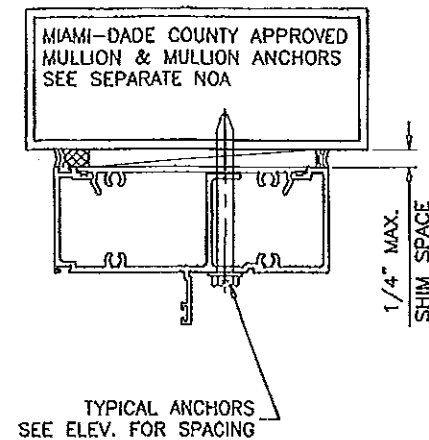
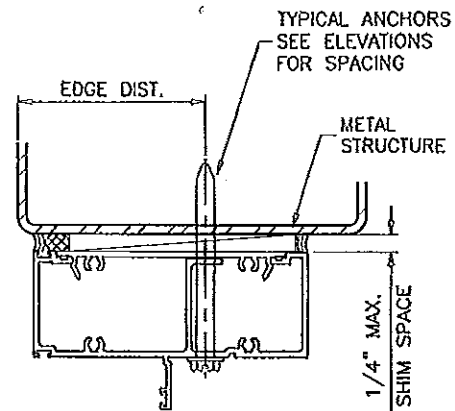
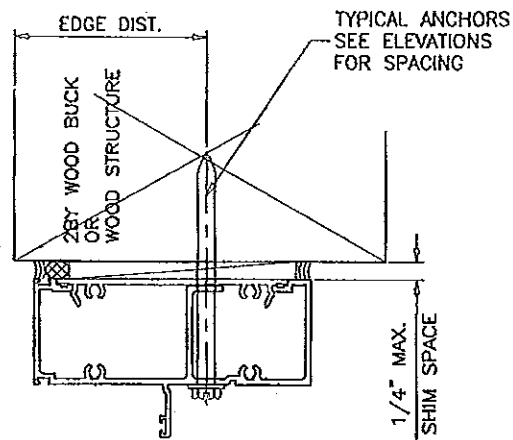
scale: 3/8" = 1"

dr. by: HAMID

chk. by:

drawing no.
W04-51

sheet 3 of 7



WOOD BUCKS AND METAL STRUCTURE NOT BY E.S. WINDOWS
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM
AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES

1-3/8" MIN. PENETRATION INTO WOOD

THRU 1BY BUCKS INTO CONC. OR MASONRY

1-1/4" MIN. EMBED INTO CONC. OR MASONRY

DIRECTLY INTO CONC. OR MASONRY

1-1/4" MIN. EMBED INTO CONC. OR MASONRY

#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)

INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = 1/8")

INTO METAL STRUCTURES

STEEL : 1/8" THK. MIN. (Fy = 36 KSI MIN.)

ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)

(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 2-1/2" MIN.

INTO WOOD STRUCTURE = 1" MIN.

INTO METAL STRUCTURE = 3/4" MIN.

CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.

C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

SEALANTS:


ALL JOINTS AND FRAME CONNECTIONS SEALED WITH
WHITE/ALUMINUM COLORED SILICONE.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0308-40
Expiration Date 2/16/14
By: [Signature]
Miami Dade Product Control

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 14-0722-13
Expiration Date 09/16/2019
By: [Signature]
Miami Dade Product Control

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

MAY 27 2012



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-5100 FAX (305) 262-6978
COMP-ANL\W04-51ESW

SERIES-3000 ALUM OUTSWING FRENCH DOOR (L.M.I.)

E.S. WINDOWS, LLC
5220 N.W. 72 AVE. BAY #4
MIAMI, FL. 33166
TEL (305) 624-7775 FAX (305) 624-7777

NO	DATE	BY	DESCRIPTION
D	08.14.09		UPDATED FOR 2007 FBC
E	11.23.09		GENERAL REV.
F	03.12.10		REV. PER BCOO COMMENTS
G	02.24.12		NO CHANGE THIS SHEET

date: 06-10-04

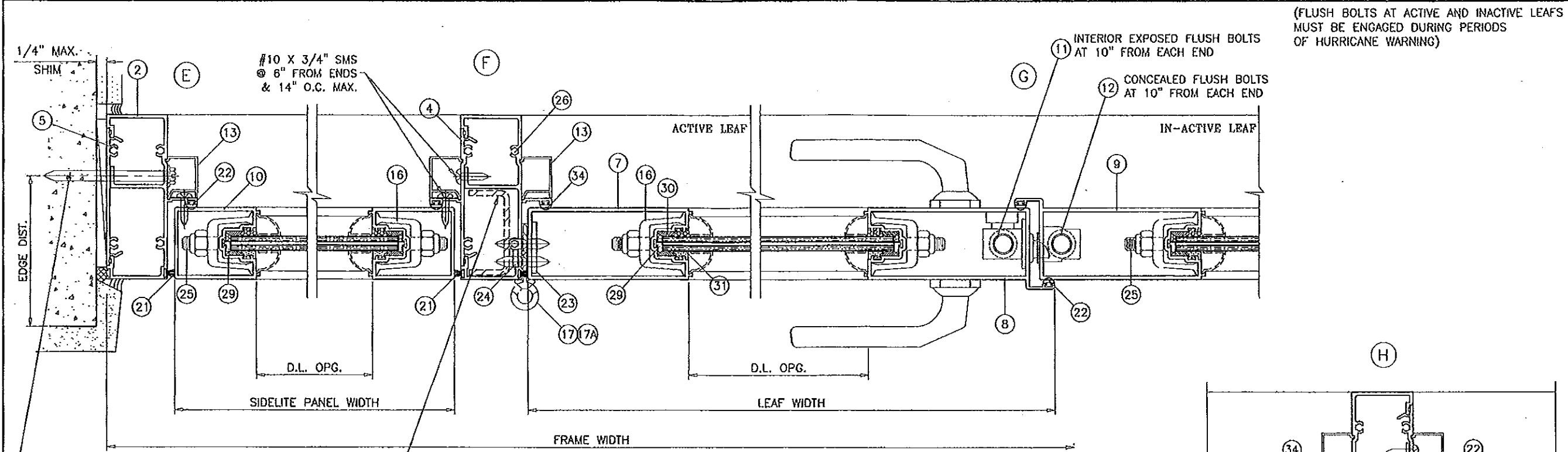
scale: 3/8" = 1"

dr. by: HAMID

chk. by:

drawing no.
W04-51

sheet 4 of 7



1/4" MAX. SHIM

EDGE DIST.

ACTIVE LEAF

IN-ACTIVE LEAF

D.L. OPG.

SIDELITE PANEL WIDTH

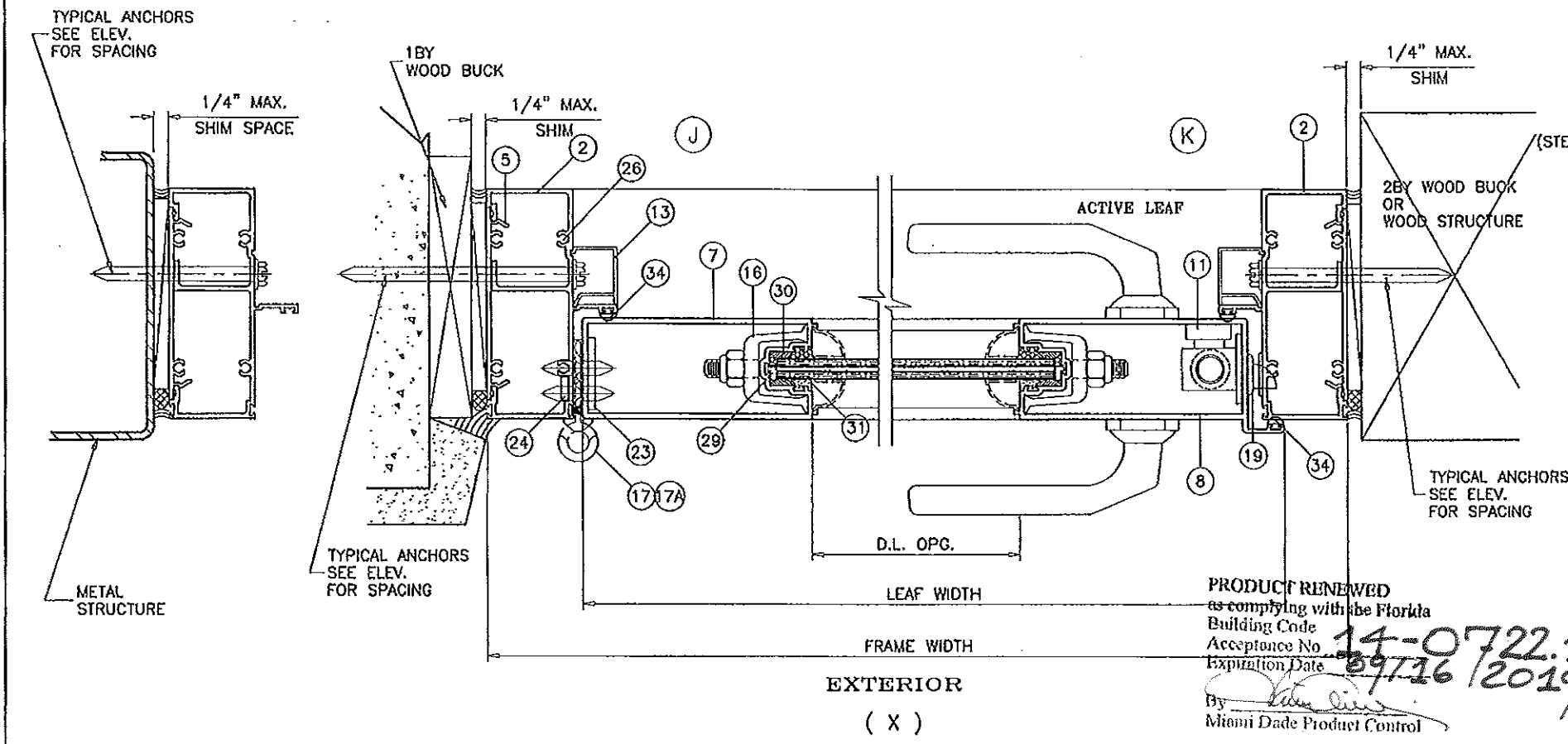
FRAME WIDTH

LEAF WIDTH

EXTERIOR (OXXO)

OPTIONAL REINFORCING SEE SHEET 2.2 FOR CAPACITY .96" X 2" X .96" X 1/8" FULL LENGTH STL. CHANNEL (STEEL TO BE PAINTED OR PLATED)

TYPICAL ANCHORS SEE ELEV. FOR SPACING



1/4" MAX. SHIM SPACE

1BY WOOD BUCK

ACTIVE LEAF

IN-ACTIVE LEAF

D.L. OPG.

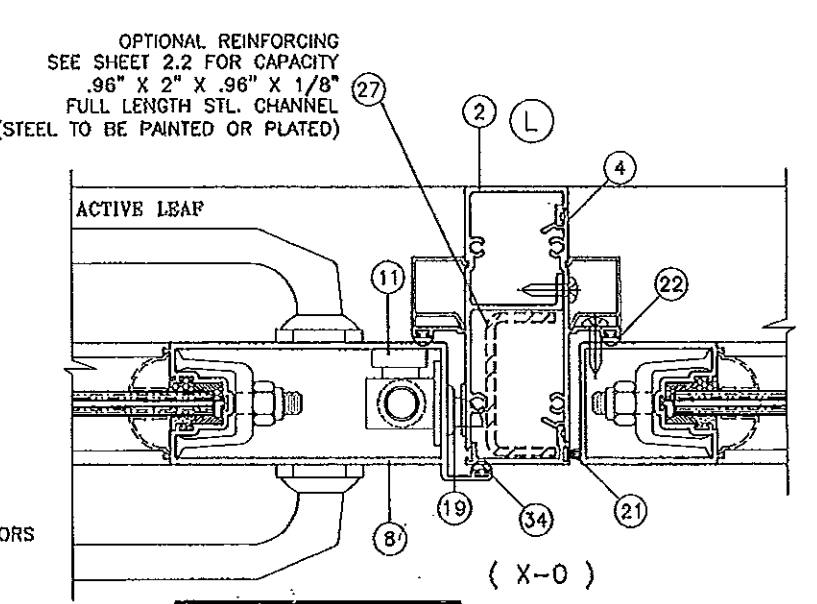
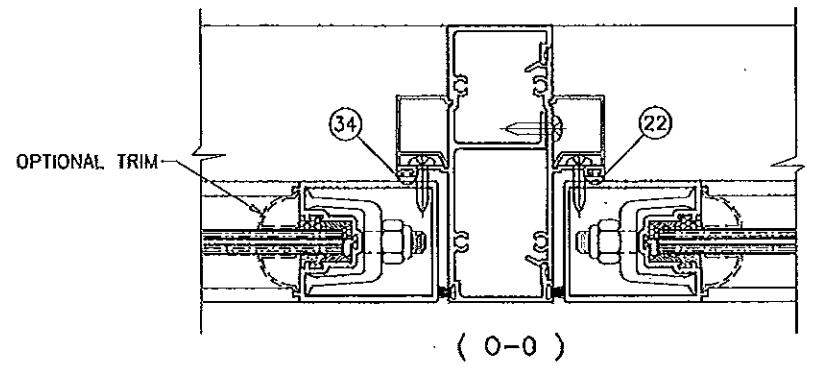
FRAME WIDTH

LEAF WIDTH

EXTERIOR (X)

TYPICAL ANCHORS SEE ELEV. FOR SPACING

METAL STRUCTURE



OPTIONAL TRIM

OPTIONAL REINFORCING SEE SHEET 2.2 FOR CAPACITY .96" X 2" X .96" X 1/8" FULL LENGTH STL. CHANNEL (STEEL TO BE PAINTED OR PLATED)

ACTIVE LEAF

IN-ACTIVE LEAF

D.L. OPG.

FRAME WIDTH

LEAF WIDTH

EXTERIOR (X-0)

TYPICAL ANCHORS SEE ELEV. FOR SPACING

PRODUCT RENEWED as complying with the Florida Building Code Acceptance No. 14-0722.13 Expiration Date 09/16/2019

By *[Signature]* Miami Dade Product Control

Engr: JAVAD AHMAD CIVIL FLA. PE # 70592 C.A.N. 3538

[Signature] MAY 17 2012

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 12-0308.40 Expiration Date 09/16/14

By *[Signature]* Miami Dade Product Control

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL W04-51ESW

afC

SERIES-3000 ALUM OUTSWING FRENCH DOOR (L.M.L.)

E.S. WINDOWS, LLC
5220 N.W. 72 AVE. BAY #4
MIAMI, FL. 33166
TEL. (305) 624-7775 FAX. (305) 624-7777

revisions:

NO	DATE	BY	DESCRIPTION
D	08.14.09		NO CHANGE THIS SHEET
E	11.23.09		GENERAL REV.
F	03.12.10		REV. PER BCCO COMMENTS
G	02.24.12		NO CHANGE THIS SHEET

date: 06-10-04
scale: 3/8" = 1"
dr. by: HAMID
chk. by:

drawing no. **W04-51**
sheet 5 of 7

ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	ES3001-1	1	FRAME HEAD	6063-T6	-
2	ES3001-2	2	DOOR FRAME JAMB	6063-T6	-
3	ES3002-1	1	FRAME SILL (STANDARD)	6063-T5	-
3A	ES3025	1	FRAME SILL (HI-RISE)	6063-T5	-
4	ES3003-1	AS REQD.	SIDELITE ADAPTER	6063-T6	-
5	ES3004	AS REQD.	SHEAR PLATE @ ANCHOR LOCATIONS	6063-T6	3" LONG
6	ES3005-1	2/ LEAF	TOP AND BOTTOM RAIL	6063-T5	-
6A	ES3024	2/ LEAF	HI-PROFILE BOTTOM RAIL	6063-T5	-
7	ES3006-1	1/ LEAF	DOOR LEAF JAMB - HINGE SIDE	6063-T5	-
8	ES3007-1	1/ LEAF	DOOR LEAF - LOCK SIDE	6063-T6	-
9	ES3007-2	1/ LEAF	DOOR LEAF - KEEPER SIDE	6063-T6	-
10	ES3008-1	AS REQD.	SIDELITE STILE	6063-T5	-
11	FB-1202-914	2/ LEAF	EXPOSED FLUSH BOLT	STEEL	SULLIVAN & ASSOCIATES
12	FB-1202-914	2/ LEAF	CONCEALED FLUSH BOLT	STEEL	SULLIVAN & ASSOCIATES
13	ES3011	AS REQD.	JAMB TRIM	6063-T5	OPTIONAL
14	ES3012	1	SILL COVER	6063-T6	-
15	ES3013	2/ LEAF	WEATHERSTRIP ADAPTER	6063-T5	-
16	ES3014-1	4/ PANEL	PANEL CLAMP	6063-T6	-
17	ES3003-3	3/ LEAF	HINGE ASSEMBLY	6063-T6	SEE SHEET 2
17A	-	2/ LEAF	PIVOT HINGES	-	SEE SHEET 2
19	-	-	DOOR LOCK (SAVANNAH 201SL)	-	YALE
20	-	-	DEAD BOLT LOCK (PREMIER)	-	YALE
21	W22321NG	AS REQD.	FIN-SEAL PILE W'STRIPPING	-	ULTRAFAB
22	ES3020	AS REQD.	BULB WEATHERSTRIPPING	VINYL	AT SIDELITE PANELS
23	-	1/ HINGE	HINGE REINFORCING BAR	ALUMINUM	1-1/4"X1/8"X4-1/4" LONG
24	-	AS REQD.	HINGE REINFORCING BAR	ALUMINUM	1/8" THK. X 7-7/8" LONG
25	-	2/ LEAF	3/8" DIA. THREADED ROD W/ NUTS	STEEL	-
26	-	AS REQD.	FRAME ASSY. SCREWS	-	#10 PAN HEAD SMS
27	-	AS REQD.	MULLION REINFORCING CHANNEL	A36 STEEL	-
28	ES4014	AS REQD.	BOTTOM RAIL GLASS STOP	NEOPRENE	-
29	ES4019	AS REQD.	PANEL SILICONE STOP	NEOPRENE	-
30	-	AS REQD.	3/8" DIA. X 1/8" HT. BUMPER	SILICONE	FRANK LOWE RUBBER CO.
31	ES4013	AS REQD.	WEDGE GASKET	EPDM	DUROMETER 73±3 SHORE A
32	ES3022	2/ STILE	FLUSH BOLT BRACKET	6063-T5	-
33	-	2/ BKT.	BRACKET INSTALLATION SCREWS	-	#10 X 1" FH SMS
34	Q/LON	AS REQD.	DOOR PANEL W'STRIPPING	-	SCHLEGEL

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0308-40
Expiration Date 9/16/14
By 14669 L. Chan
Miami Dade Product Control

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 14-0722-13
Expiration Date 09/16/2019
By [Signature]
Miami Dade Product Control

Engr. JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3838

MAY 22 2012

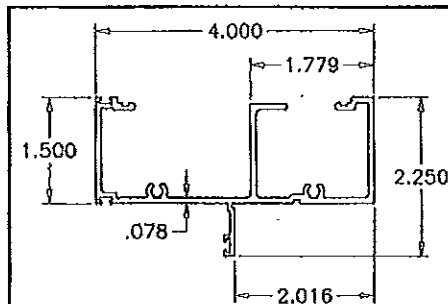
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-5100 FAX (305) 262-6978
COMP-ANL\W04-51ESW

SERIES-3000 ALUM OUTSWING FRENCH DOOR (L.M.I.)
E.S. WINDOWS, LLC
5220 N.W. 72 AVE. BAY #4
MIAMI, FL. 33166
TEL. (305) 624-7775 FAX. (305) 624-7777

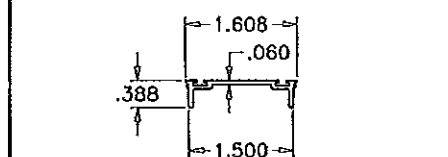
revisions:	no	date	by	description
	D	08.14.09		NO CHANGE THIS SHEET
	E	11.23.09		GENERAL REV.
	F	03.12.10		REV. PER BCCO COMMENTS
	G	02.24.12		NO CHANGE THIS SHEET

date: 06-10-04
scale: 3/8" = 1"
dr. by: HAMID
chk. by:

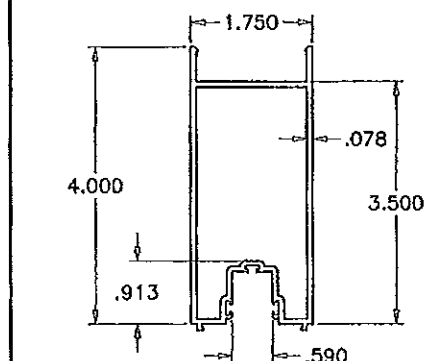
drawing no.
W04-51
sheet 6 of 7



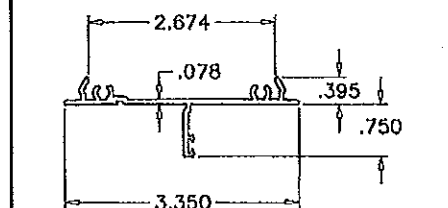
(1) (2) FRAME HEAD/JAMB



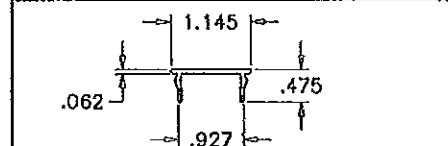
(15) WEATHERSTRIP ADAPTER



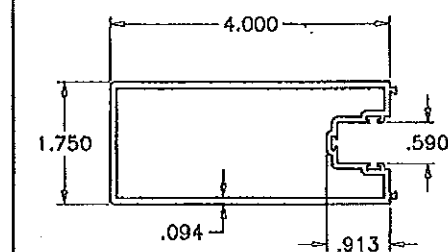
(6) TOP/BOTTOM RAIL



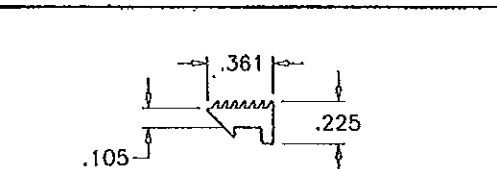
(4) SIDELITE ADAPTER



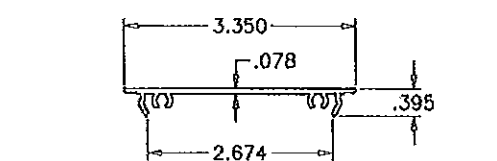
(14) SILL COVER



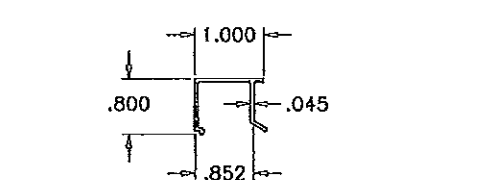
(7) HINGE STILE



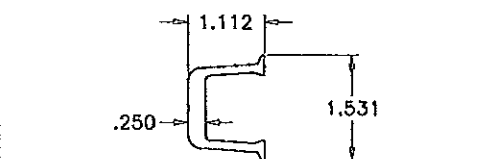
(31) WEDGE GASKET (SCALE 1:1)



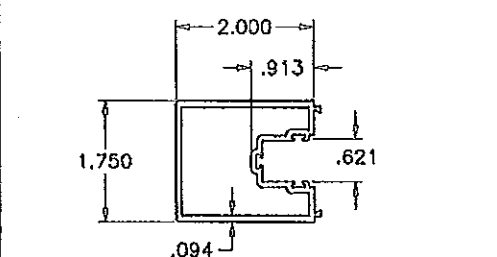
(5) SHEAR PLATE



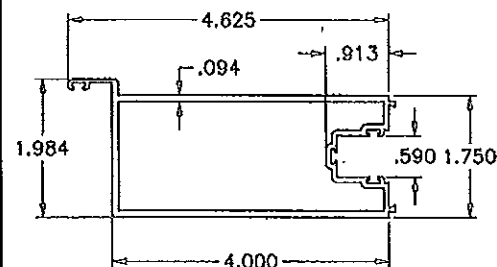
(13) JAMB TRIM (OPTIONAL)



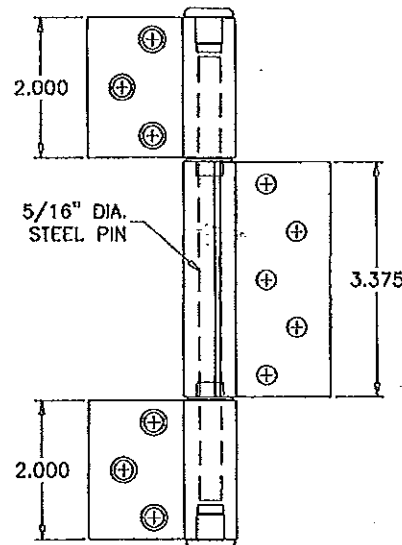
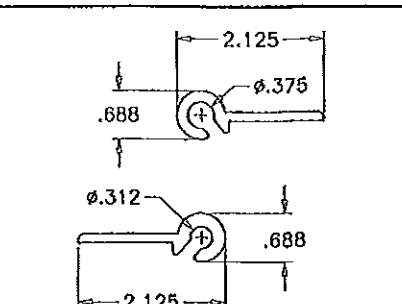
(16) PANEL CLAMP



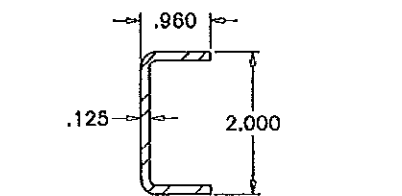
(10) SIDE LITE STILE



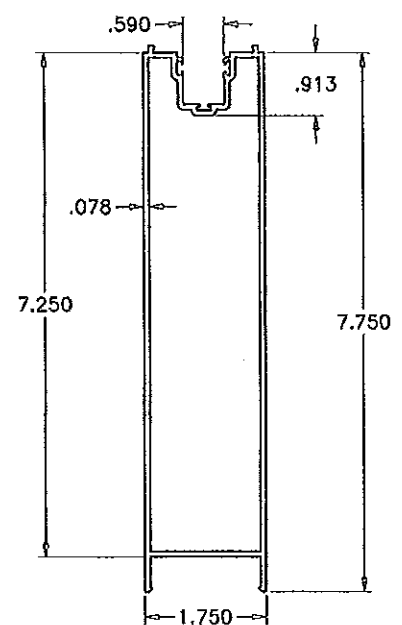
(8) (9) LOCK STILE/KEEPER STILE



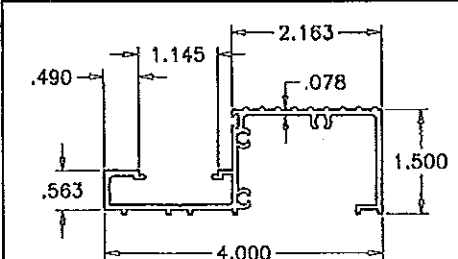
(17) 3 PIECE HINGE



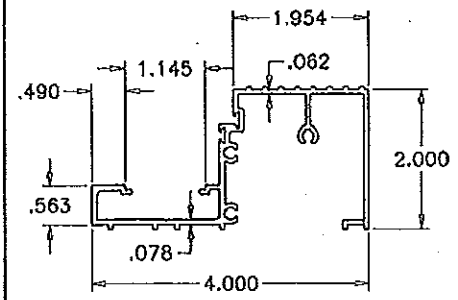
(27) MULLION REINF. CHANNEL



(6A) HI-PROFILE BOTTOM RAIL



(3) FRAME SILL (STD.)



(3A) FRAME SILL (HI-RISE)

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 14-0722.13
Expiration Date 09/16/2019
By [Signature]
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0308.40
Expiration Date 9/16/14
By [Signature]
Miami Dade Product Control

Engr: JAVAD AHMAD
CML
FLA. PE # 70592
C.A.N. 3538

MAY 17 2012

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-5100 FAX (305) 262-6973
COMP-ANL\W04-SIESW

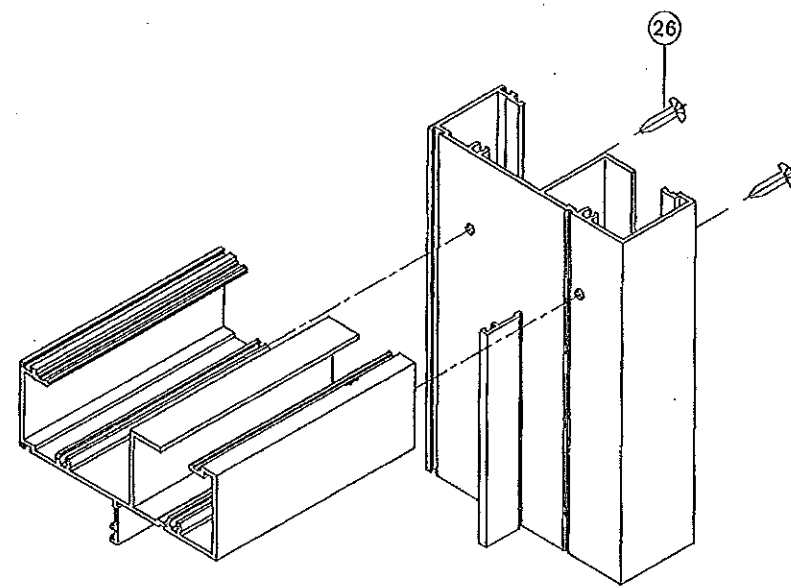
SERIES-3000 ALUM. OUTSWING FRENCH DOOR (L.M.L.)

E.S. WINDOWS, LLC
5220 N.W. 72 AVE. BAY #4
MIAMI, FL. 33166
TEL (305) 624-7775 FAX (305) 624-7777

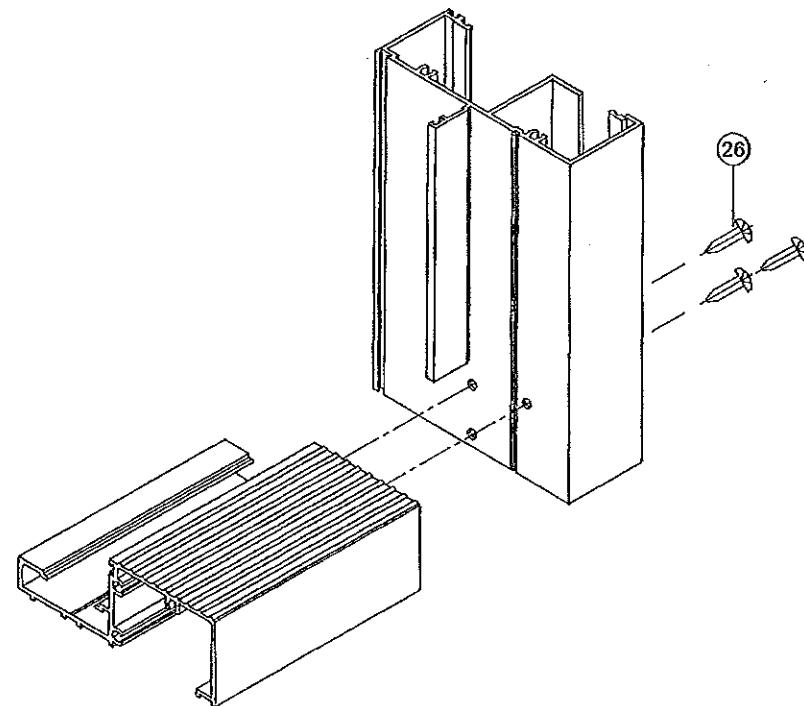
NO.	DATE	BY	DESCRIPTION
D	08.14.09		NO CHANGE THIS SHEET
E	11.23.09		GENERAL REV.
F	03.12.10		REV. PER BOCO COMMENTS
G	02.24.12		NO CHANGE THIS SHEET

date: 06-10-04
scale: 3/8" = 1"
dr. by: HAMID
chk. by:

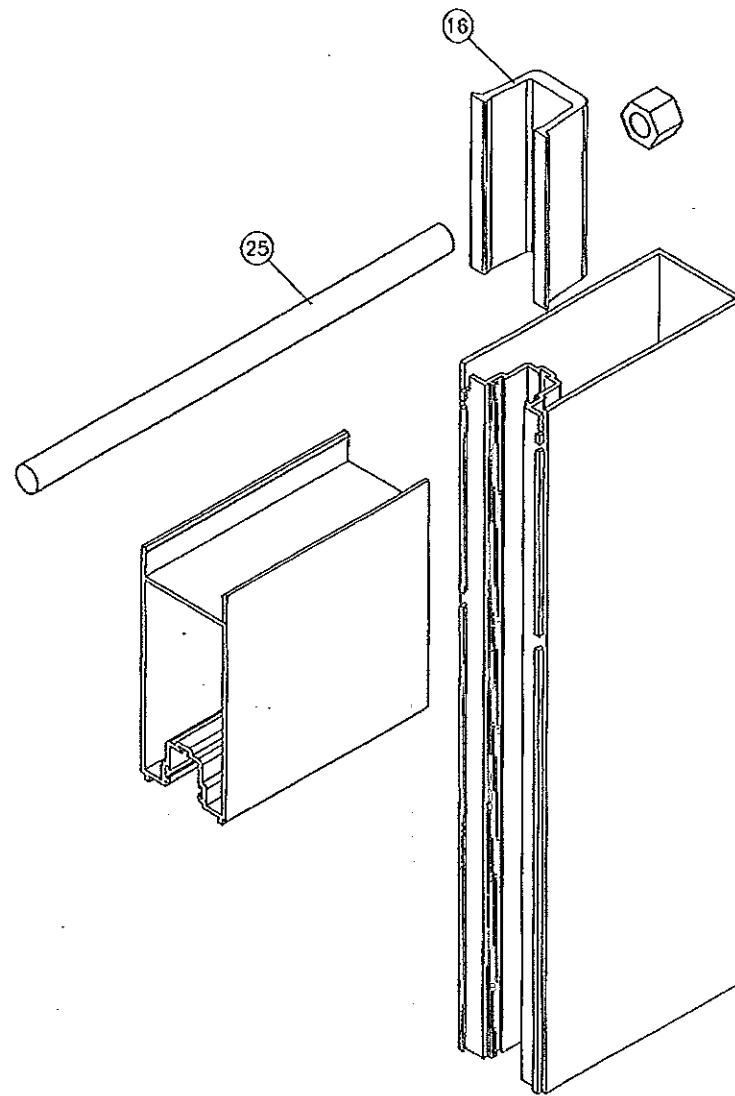
drawing no.
W04-51
sheet 6.1 of 7



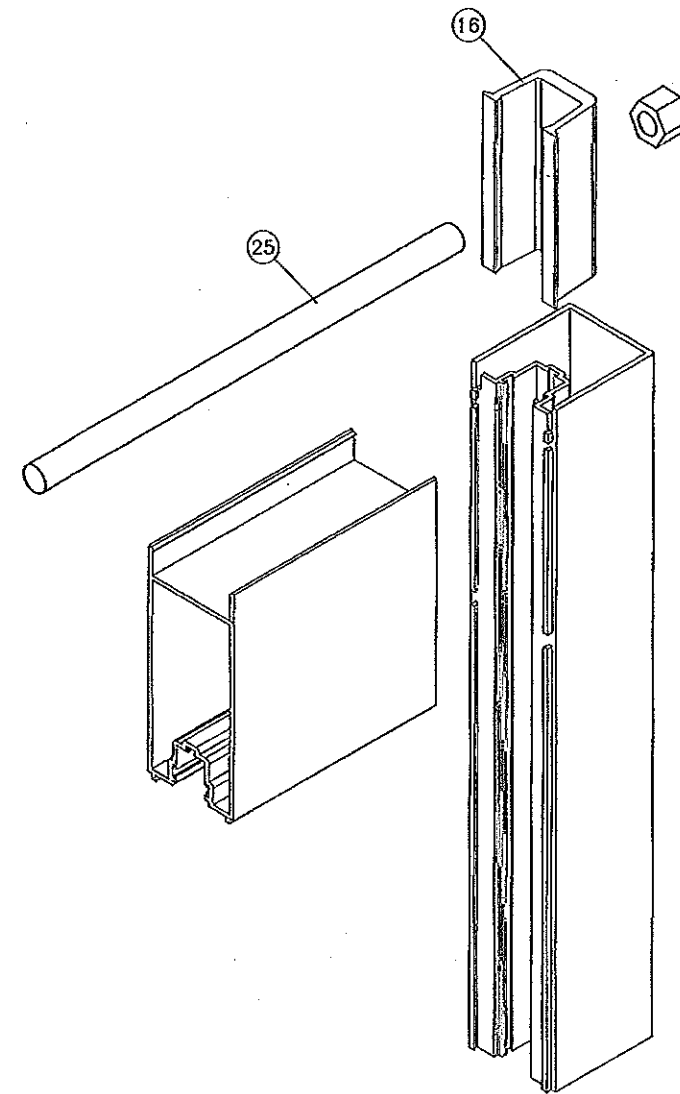
FRAME TOP CORNER



FRAME BOTTOM CORNER



DOOR LEAF CORNER



STATIONARY PANEL OR SIDELITE CORNER

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 12-030840
Expiration Date Sept 16, 2014
By *Chang L. L...*
Miami Dade Product Control

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 14-0722.13
Expiration Date 07/16/2019
By *[Signature]*
Miami Dade Product Control

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
[Signature]
MAY 17 2012

af c AL-FAROOQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 1235 S.W. 87 AVE MIAMI, FLORIDA 33174 TEL (305) 264-8100 FAX (305) 262-6978 COMP-ANI\W04-51ESW																					
SERIES-3000 ALUM OUTSWING FRENCH DOOR (L.M.L.) E.S. WINDOWS, LLC 5220 N.W. 72 AVE. BAY #4 MIAMI, FL. 33166 TEL (305) 624-7775 FAX (305) 624-7777																					
date: 06-10-04 scale: 3/8" = 1" dr. by: HAMID chg. by:	revisions: <table border="1"> <tr> <th>no</th> <th>date</th> <th>description</th> <th>by</th> </tr> <tr> <td>D</td> <td>08.14.09</td> <td>NO CHANGE THIS SHEET</td> <td></td> </tr> <tr> <td>E</td> <td>11.23.09</td> <td>GENERAL REV.</td> <td></td> </tr> <tr> <td>F</td> <td>03.12.10</td> <td>REV. PER BCCO COMMENTS</td> <td></td> </tr> <tr> <td>G</td> <td>02.24.12</td> <td>NO CHANGE THIS SHEET</td> <td></td> </tr> </table>	no	date	description	by	D	08.14.09	NO CHANGE THIS SHEET		E	11.23.09	GENERAL REV.		F	03.12.10	REV. PER BCCO COMMENTS		G	02.24.12	NO CHANGE THIS SHEET	
no	date	description	by																		
D	08.14.09	NO CHANGE THIS SHEET																			
E	11.23.09	GENERAL REV.																			
F	03.12.10	REV. PER BCCO COMMENTS																			
G	02.24.12	NO CHANGE THIS SHEET																			
drawing no. W04-51 sheet 7 of 7																					